

FIG. 1
(PRIOR ART)

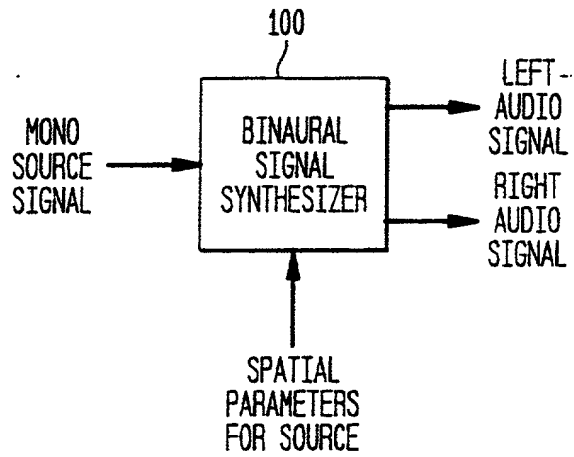


FIG. 2
(PRIOR ART)

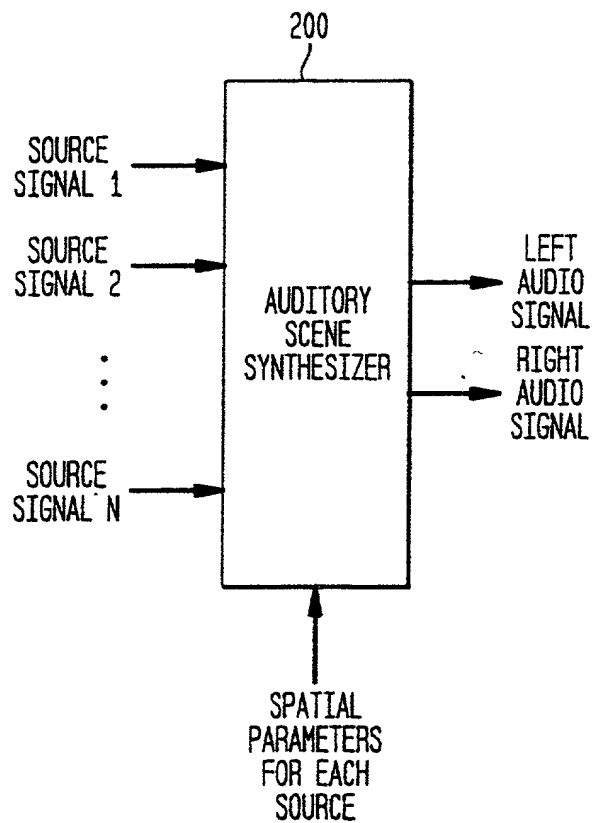
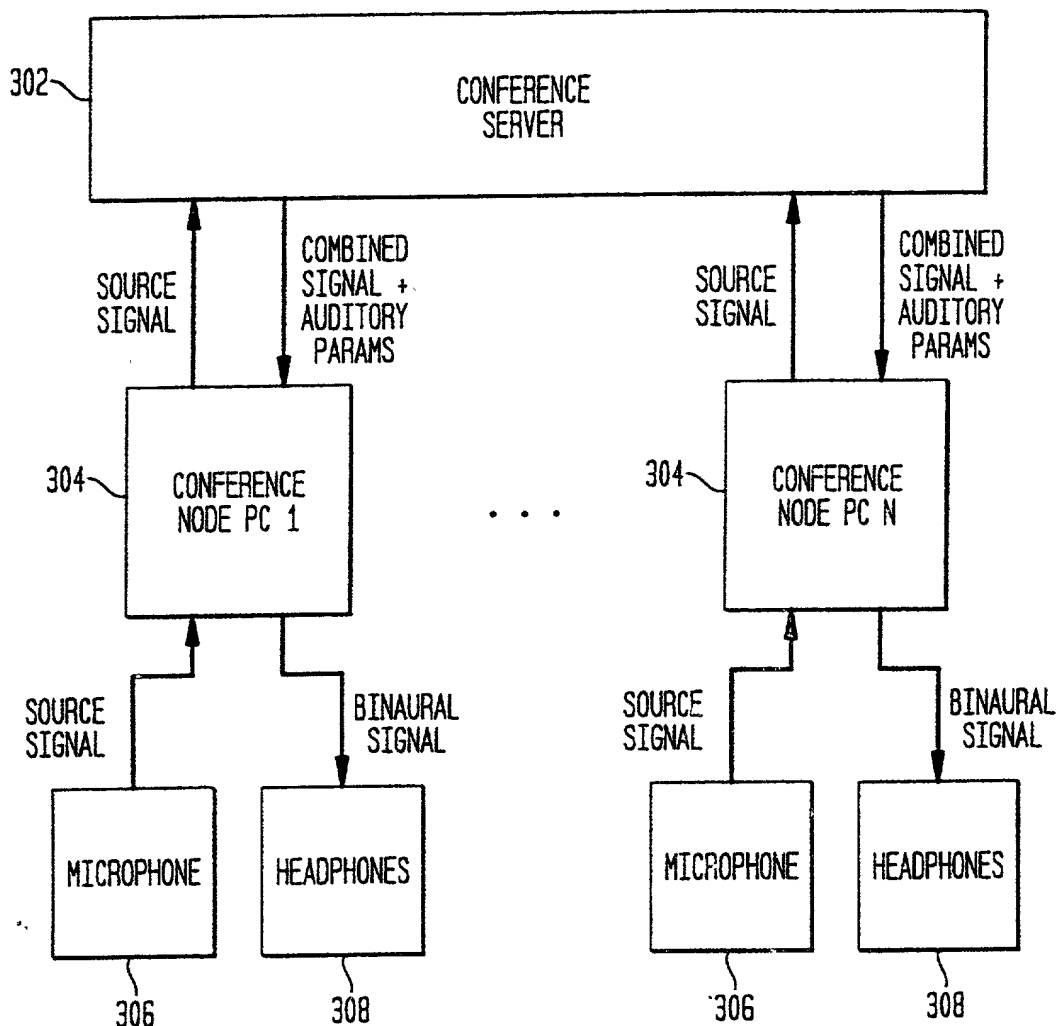


FIG. 3

300



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257-357
 A method of recording and reproducing
 speech signals
 using a digital signal processing
 system, the system comprising:
 a microphone for receiving a
 speech signal and converting it
 into a digital signal;
 a digital signal processor for
 processing the digital signal;
 a storage device for storing the
 processed digital signal;
 a digital-to-analog converter for
 converting the processed digital
 signal into an analog signal;
 a speaker for reproducing the
 analog signal as a speech signal.

1. The first part of the paper is devoted to a general discussion of the problem of the existence of a solution of the system of equations (1) for arbitrary values of the parameters α and β . It is shown that the system has a solution for arbitrary values of the parameters α and β if and only if the condition $\alpha + \beta = 1$ is satisfied.

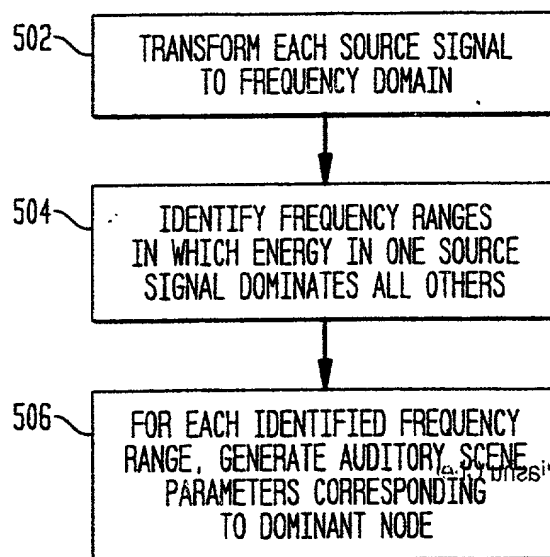
[illegible]

FIG. 6

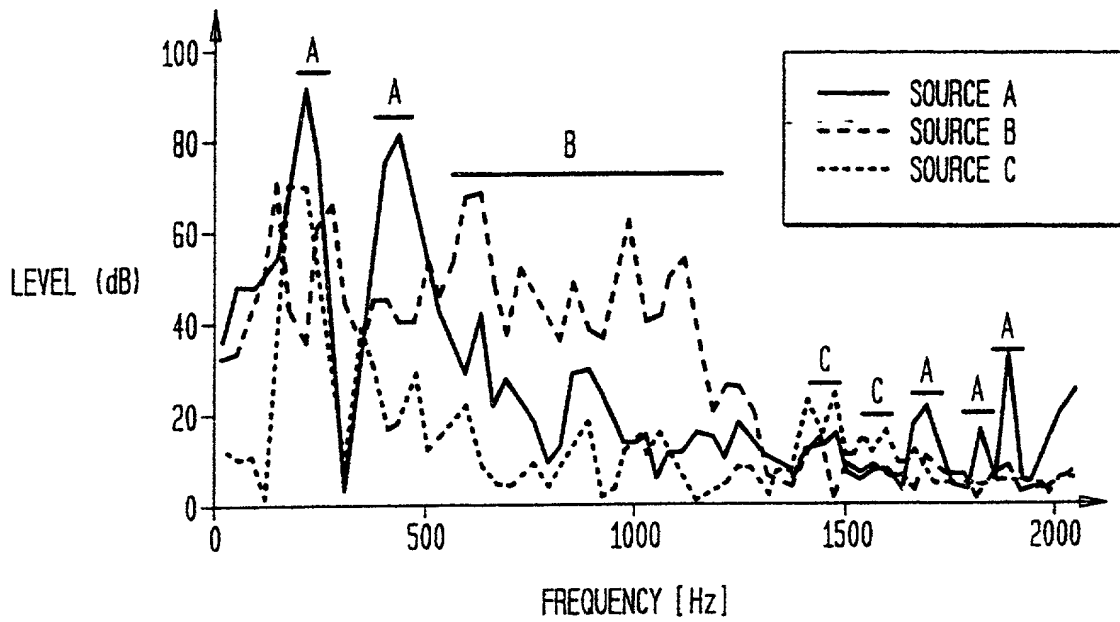
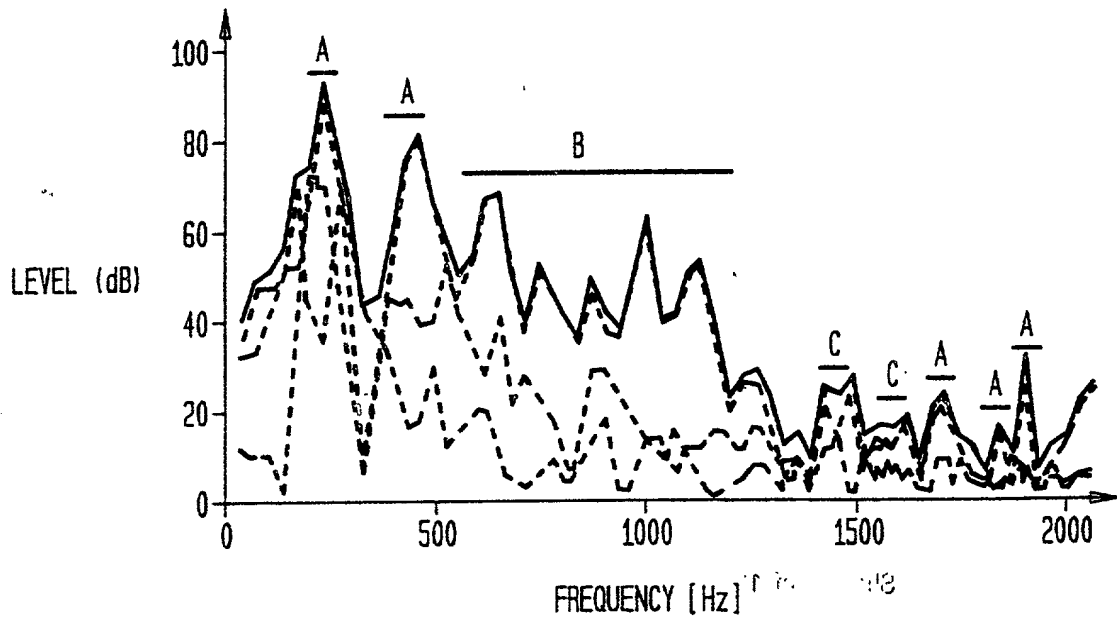


FIG. 8



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FIG. 7

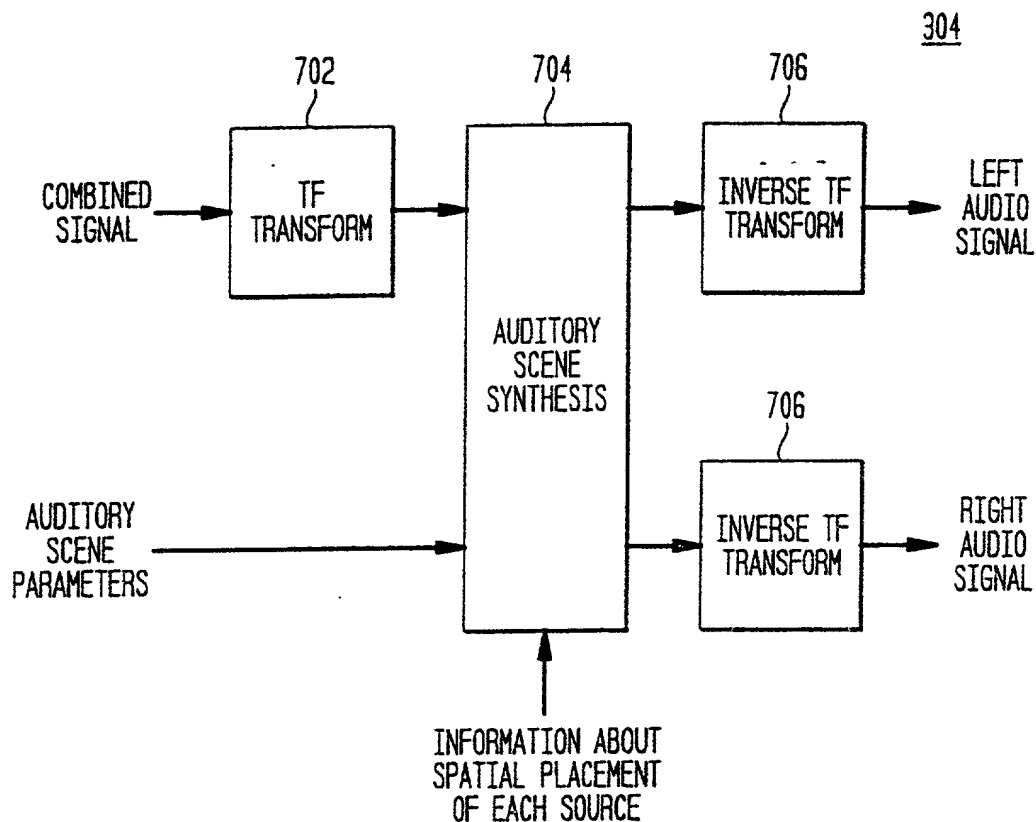
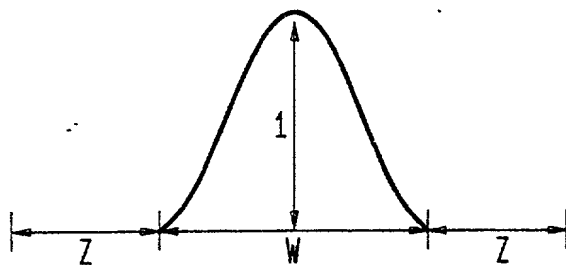


FIG. 9



Sheet 1 of 11

These applications are hereby incorporated by reference into this document.
 The present invention is described in detail with reference to the accompanying drawings.
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FIG. 10

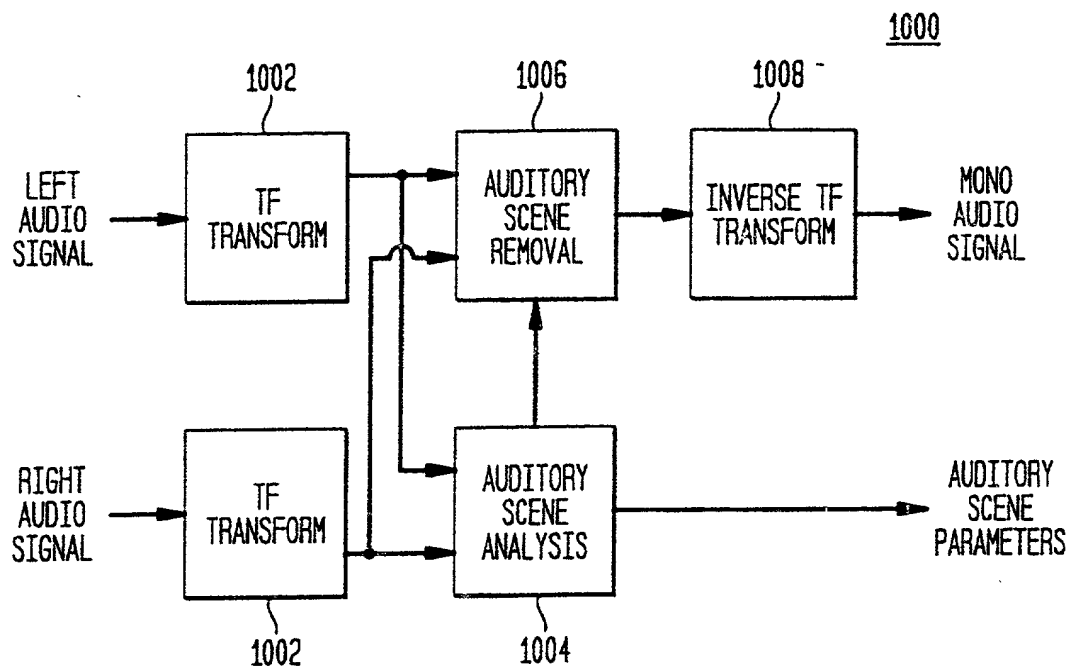


FIG. 10

FIG. 10 is a block diagram of an auditory scene removal system 1000. The system 1000 receives a left audio signal and a right audio signal. Each signal is processed by a TF transform block (1002). The outputs of these blocks are fed into an auditory scene analysis block (1004) and an auditory scene removal block (1006). The auditory scene analysis block (1004) also receives input from the TF transform blocks (1002) and outputs auditory scene parameters. The auditory scene removal block (1006) receives input from the TF transform blocks (1002) and the auditory scene analysis block (1004). The output of the auditory scene removal block (1006) is fed into an inverse TF transform block (1008), which produces the final mono audio signal.

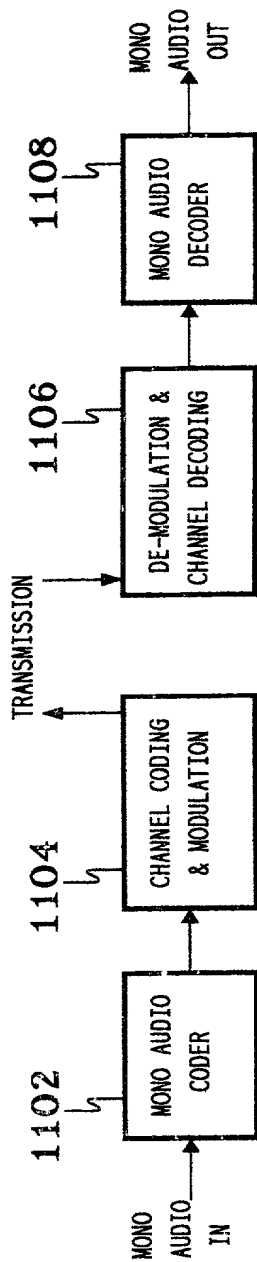


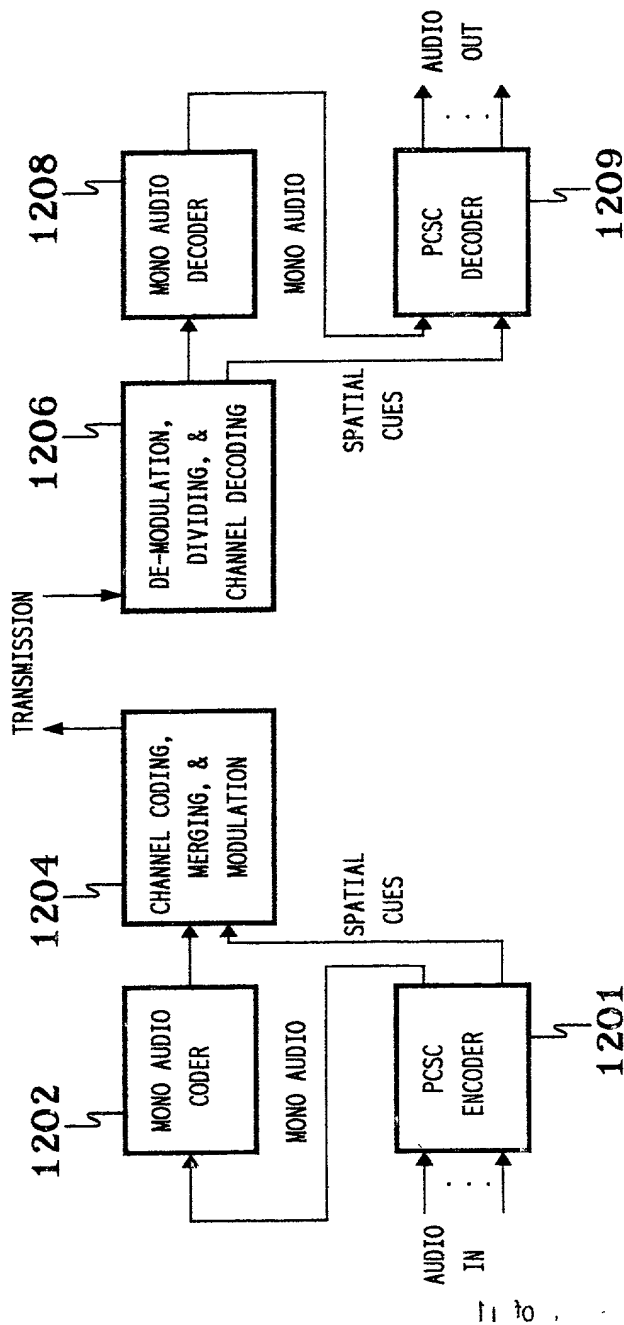
FIG. 11

1100

Patent No. 2,757,000
 Attorney-Doctel No. Baumgartner & Co.
 in the Application of Franz Josef Baumgartner
 and Christian Faller

FIG. 12

1200



25-0927
 A way of Recording the Mendelson
 "Spatial Cues"
 "Backwards-Compatible Physical Coding of
 Atmosphere" (see page 1-6)
 and (see of Fall)
 in "Application of the Mendelson" (see page 1-6)

FIG. 13

1300

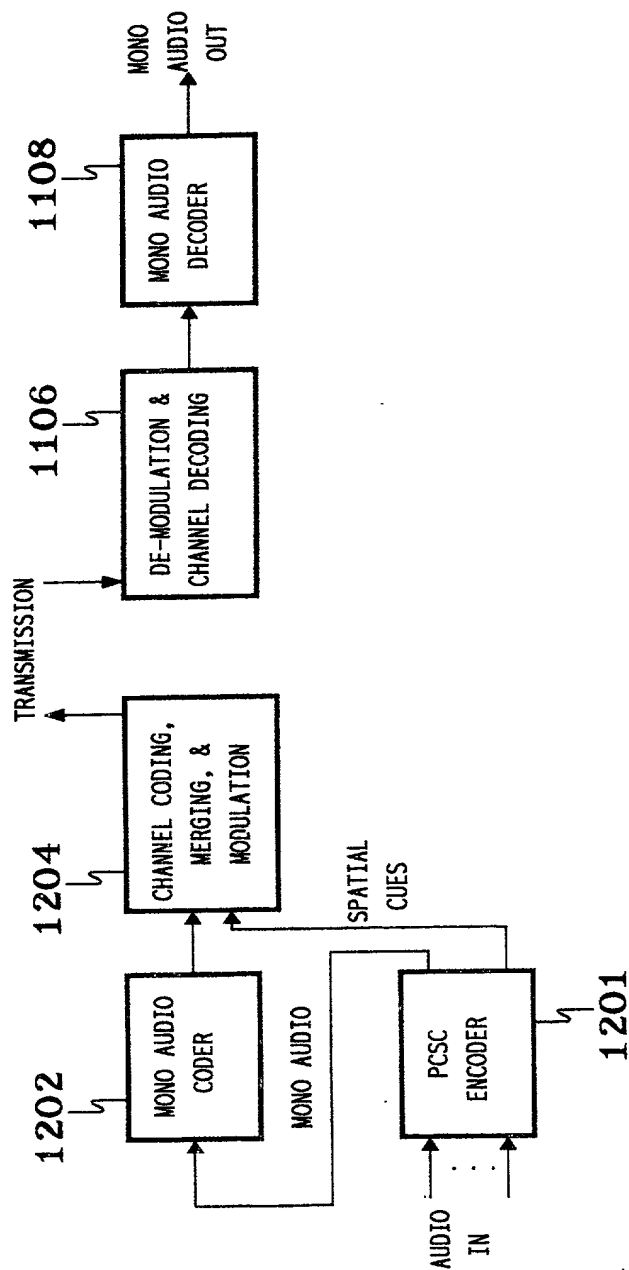


FIG. 14

1400

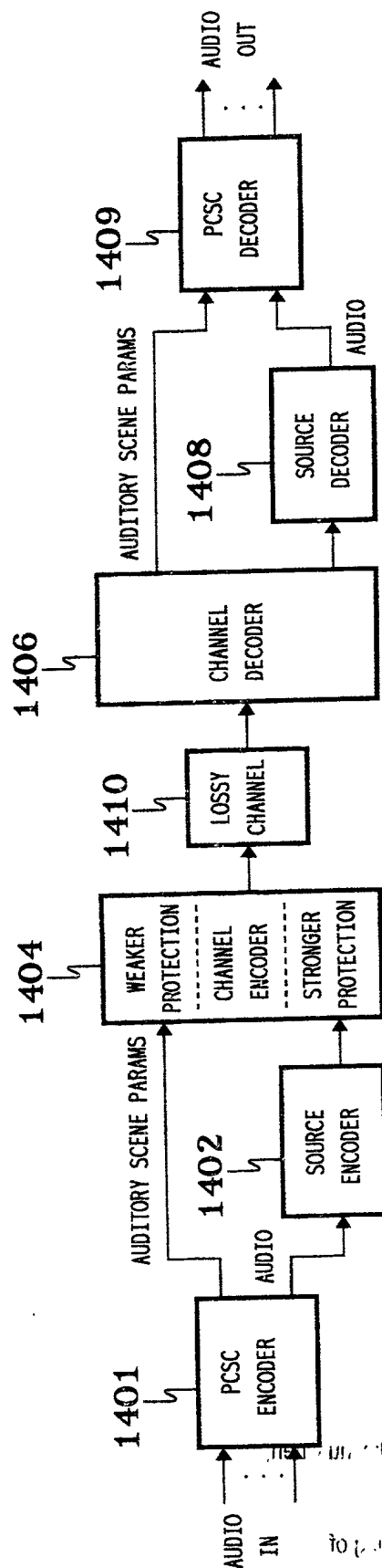


FIG. 15

1500

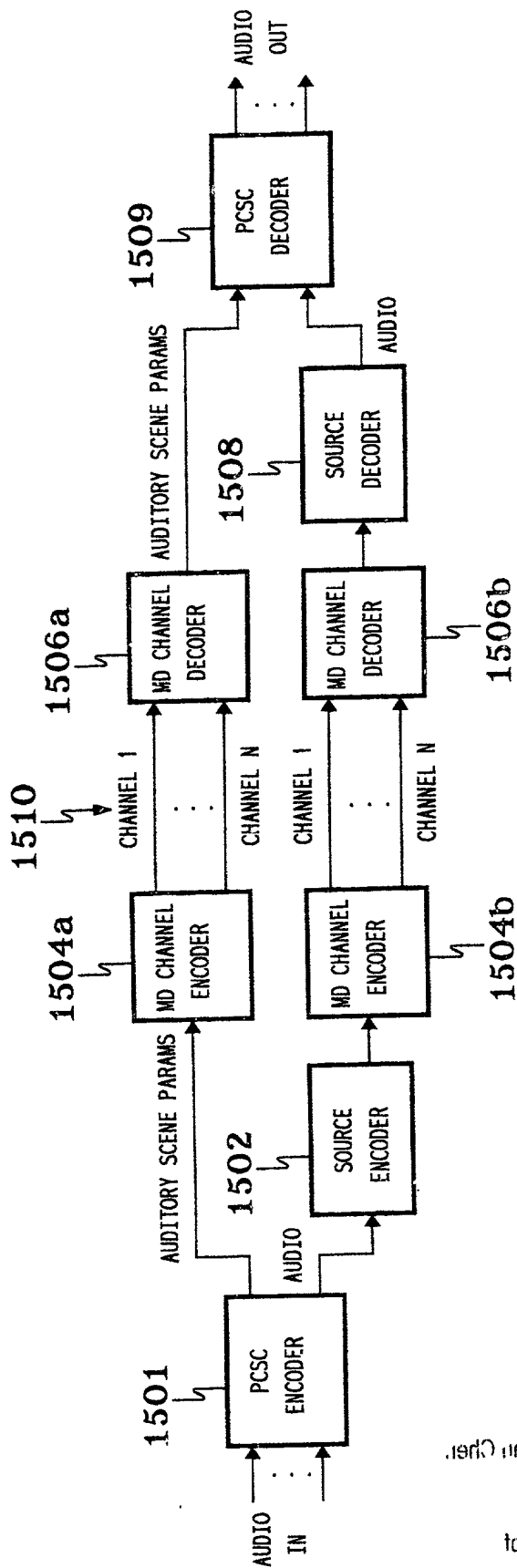


FIG. 15

FIG. 15